

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (currently amended): A reduced aerosol generating formulated personal care or cleaning product comprising a) 0.0001% to about 1.5% of high molecular weight polyethylene oxide by weight; b) an enzyme; c) an enzyme protecting agent and d) one or more personal care or cleaning product components, wherein the formulated personal care or cleaning product is a liquid, wherein said polyethylene oxide is an anti-misting agent and the DV_{50} of the formulated personal care or cleaning product is increased by 10 - 200% over the corresponding non-formulated personal care or cleaning product, wherein the corresponding non-formulated personal care or cleaning product does not comprise the high molecular weight polyethylene oxide.

Claim 2 (canceled)

Claim 3 (previously presented): The reduced aerosol generating formulated product of claim 1, wherein said polyethylene oxide comprises a molecular weight from about 0.8×10^6 to 4×10^6 .

Claim 4 (canceled)

Claim 5 (currently amended): The reduced aerosol generating formulated product of claim 1, wherein the product is a personal care product selected from the group consisting of a shower or bath gel, a facial cleaner, a lotion, a hair shampoo, and a ~~bar~~ liquid soap.

Claim 6 (previously presented): The reduced aerosol generating formulated product of claim 1 wherein the product is a cleaning product selected from the group consisting of a

detergent, a hard surface cleaner, a prespotting cleaner, and a carpet cleaner.

Claim 7 (previously presented): The reduced aerosol generating formulated product of claim 1, wherein the Dv_{50} of the formulated product is in the range of $55\mu\text{m} - 900\mu\text{m}$.

Claim 8 (original): The reduced aerosol generating formulated product of claim 1, wherein the Dv_{50} of the formulated product is greater than $60\mu\text{m}$.

Claim 9 (original): The reduced aerosol generating formulated product of claim 1, wherein the Dv_{50} of the formulated product is greater than $100\mu\text{m}$.

Claim 10 (canceled)

Claim 11 (previously presented): The reduced aerosol generating formulated product of claim 6, wherein the enzyme is selected from the group consisting of a protease, an amylase, a cellulase, an oxidase, and a lipase.

Claim 12 (currently amended): A method of reducing aerosol generation from a personal care or cleaning product comprising incorporating into said product an aqueous composition comprising high molecular weight polyethylene oxide having a molecular weight from about 0.8×10^6 to 4×10^6 , an enzyme, and an enzyme protecting agent, resulting in a formulated product, wherein the formulated product is a liquid, wherein the Dv_{50} of said formulated product is between increased by 10 to 200% greater than over the Dv_{50} of the corresponding non-formulated personal care or cleaning product, wherein the corresponding non-formulated personal care or cleaning product does not comprise the high molecular weight polyethylene oxide.

Claim 13 (previously presented): A method according to claim 12, wherein said enzyme is incorporated into said formulated product in combination with the polyethylene oxide aqueous

composition.

Claim 14 (currently amended): The method according to claim 12, wherein the formulated product comprises about 0.0001% to about 5.0% of the enzyme by weight.

Claim 15 (currently amended): The method according to claim 12, wherein the formulated product comprises from 0.0001% to about 1.5% of the polyethylene oxide by weight.

Claim 16 (previously presented): A reduced aerosol generating formulation produced by the method of claim 12.

Claim 17 (currently amended): A method of decreasing enzyme exposure from a personal care or cleaning product comprising reformulating a personal care or cleaning product which includes one or more enzymes with an aqueous composition which comprises a polyethylene oxide polymer having a molecular weight of about 0.8×10^6 to 4.0×10^6 , wherein said polymer is an anti-misting agent, and an enzyme protecting agent, wherein the personal care or cleaning product is a liquid.

Claim 18 (currently amended): The method according to claim 17, wherein the product is a personal care product selected from the group consisting of a shower or bath gel, a facial cleaner, a lotion, a hair shampoo, and a ~~bar-of~~ liquid soap.

Claim 19 (previously presented): The method according to claim 17, wherein the cleaning product is selected from the group consisting of a detergent, a hard surface cleaner, a pre-spotting cleaner, and a carpet cleaner.

Claim 20 (original): The method according to claim 17, wherein the enzyme is a protease.

Claim 21 (currently amended): An aqueous anti-misting enzyme composition comprising

- a) from about 1×10^{-4} to 1.5 wt% of high molecular weight polyethylene oxide;
- b) from about 1×10^{-4} to 10 wt% of an effective amount of one or more enzymes; and
- c) an enzyme protecting agent,

wherein said anti-misting composition is a liquid .

Claim 22 (canceled)

Claim 23 (previously presented): The anti-misting enzyme composition of claim 21, wherein said polyethylene oxide comprises a molecular weight from about 0.8×10^6 to 4.0×10^6 .

Claim 24 (currently amended): The anti-misting enzyme composition of claim 21, wherein the composition is further incorporated into a personal care product, wherein the personal care product is a liquid .

Claim 25 (currently amended): The anti-misting enzyme composition of claim 24, wherein the personal care product is selected from the group consisting of a shower or bath gel, a facial cleaner, a lotion, a hair shampoo, ~~a bar soap~~, and a liquid soap.

Claim 26 (currently amended): The anti-misting enzyme composition of claim 21, wherein the composition is further incorporated into a cleaning product, wherein the cleaning product is a liquid .

Claim 27 (previously presented): The anti-misting enzyme composition of claim 26, wherein the cleaning product is selected from the group consisting of a detergent, a hard surface cleaner, a pre-spotting cleaner, and a carpet cleaner.

Claim 28 (canceled)

Claim 29 (previously presented): The anti-misting enzyme composition of claim 21 wherein the enzyme protecting agent is propylene glycol.

Claim 30 (currently amended): A method for producing a reduced aerosol generating composition comprising combining 0.0001% to about 5.0% of high molecular weight polyethylene oxide by weight comprising a molecular weight of about 0.8×10^6 to about 4×10^6 with an enzyme and an enzyme protecting agent to obtain a composition having reduced aerosol generation in comparison with a composition that does not comprise said polyethylene oxide, wherein the reduced aerosol generating composition is a liquid, and wherein the reduced aerosol generation reduces enzyme exposure.

Claim 31 (previously presented): The method of claim 30, wherein the enzyme protecting agent is a water miscible nonsolvent, and wherein the method further comprises dispersing the polyethylene oxide in the water miscible nonsolvent prior to combining the polyethylene oxide with the enzyme.

Claim 32 (original): The method of claim 30 wherein the combining is conducted at about 35° C.

Claim 33 (currently amended): The method of claim 30 further comprising:

a) incorporating the reduced aerosol generating composition into a personal care or cleaning product composition, wherein the formulated personal care or cleaning product is a liquid; and

b) obtaining a formulated personal care or cleaning product composition wherein when said formulated product is used in a desired environment the generation of aerosols produced by the formulated product is reduced compared to a corresponding non-formulated product, wherein the corresponding non-formulated product does not comprise the high molecular weight polyethylene oxide.

Claim 34 (currently amended): A method of reducing aerosol generation of an enzyme-containing personal care or cleaning formulation comprising

reformulating [[a]] said formulation with a composition comprising a polyethylene oxide polymer having a molecular weight from about 0.8×10^6 to 4.0×10^6 and comprising from about 0.0001% to about 1.5% of the formulation by weight, and an enzyme protecting agent, wherein the personal care or cleaning formulation is a liquid, and wherein the addition of the polymer increases Dv_{50} of the personal care formulation by 10 - 200% in comparison with a personal care or cleaning product that does not comprise the polyethylene oxide polymer, resulting in a reduced aerosol generation from the personal care or cleaning formulation.

Claim 35 (canceled)

Claim 36 (currently amended): A shower gel comprising a polyethylene oxide polymer wherein said polymer has a molecular weight from about 0.8×10^6 to 4×10^6 and comprises from about 0.0001% to about 1.5% of the shower gel by weight; a protease comprising about 0.0001% to about 10% of the shower gel by weight; an enzyme protecting agent; and one or more further personal care product ingredients wherein said shower gel has a Dv_{50} that is 10 - 200% greater than a corresponding shower gel lacking the high molecular weight polyethylene oxide polymer.

Claim 37 (previously presented): A method according to claim 12, wherein said enzyme is incorporated into said formulated product separately from the high molecular weight polyethylene oxide aqueous composition.

Claim 38 (previously presented): A method according to claim 1, wherein the enzyme protecting agent is propylene glycol.

Claim 39 (previously presented): A method according to claim 12, wherein the enzyme protecting agent is propylene glycol.

Claim 40 (previously presented): A method according to claim 17, wherein the enzyme protecting agent is propylene glycol.

Claim 41 (previously presented): A method according to claim 30, wherein the enzyme protecting agent is propylene glycol.

Claim 42 (previously presented): A method according to claim 36, wherein the enzyme protecting agent is propylene glycol.